

INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R6 / 2-19)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management Office of Program Support

MC 64-00, Room IGCN 1316 100 North Senate Avenue Indianapolis, IN 46204-2251 Telephone: (800) 988-7901 FAX: (317) 233-5627

E-mail: esp@idem.IN.gov

Please use this form if you are a member of the Indiana Environmental Stewardship Program (ESP) to report on progress toward objectives and targets AND certify ESP requirements continue to be achieved. Indiana ESP facilities must submit an Annual Performance Report (APR) by April 1st of every year, for each calendar year in which the entity has been a member for at least three (3) full months. Membership terms are renewed every four (4) years through submitting your APR. Your APR should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, e-mail the APR to IDEM at esp@idem.IN.gov. Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the APR publicly available, which may include posting all portions of your report on the Indiana ESP Web site. If you have any questions, please contact IDEM at esp@idem.IN.gov or (800) 988-7901.

SECTION A	FACILITY INFORM	ATION	
Name of facility Toyota Motor Manufacturing,	Indiana, INC		
Name of parent company (if applicable)			
Street address (number and street) 4000 Tulip Tree Drive			
City / State / ZIP code Princeton, IN 47670			
Website of facility / company https://www.toyota.com/usa/e	environmentreport/		
	CONTACT INFORM	MATION	
Name of Contact (Mr. / Mrs. / Ms. / Dr.) Mr. Paul Delor		Title Environmental Specialist	
Telephone number (812) 387-2956	FAX number ()	E-mail address paul.delor@toyota.com	
Mailing address (if different from facility	address)	1	
City / State / ZIP Code			
Reporting period dates from prior calend 1/1/19-12/31/19	REPORTING PE dar year (<i>mm/dd/yyyy – mm/dd/yyyy</i>)	RIOD	
 1a. Is this the fourth Annual Performan ☐ Yes—If yes, answer question 1 ☑ No—If no, skip to the "Change 	nce Report of your membership term? b. in Information" section of this report.		
 1b. Do you wish to renew your Indiana Environmental Stewardship Program membership? ✓ Yes—If yes, please complete all sections of this annual report. □ No—If no, please complete all sections of this annual report except for Section F. 			
	CHANGE IN INFOR	MATION	
In your ESP application and, perhaps, in changes or additions to your facility's list	previous annual performance reports, you d	escribed what your facility does or makes. Have there been any	
☐ Yes—If yes, please describe them:			
☑ No			
SECTION B PUBLIC OUTREACH AND PERFORMANCE REPORTING			
Why do we need this information? IDEM needs to know how environmental public.	l information was shared with the	What do you need to do? Describe how the facility has shared and plans to share environmental information.	
Please briefly describe the activities that report publicly on its environmental performance.	your facility conducted during this reporting prmance. Household Haz Waste D	period to interact with the community on environmental issues and to ays, Earth Camp, Visitor Center, Annual Env Report	
Please indicate which of the following methods your facility plans to use to make its ESP Annual Performance Report available to the public. Please check as many as appropriate.			
□ Web site (http://www) ☑ Open house □ Meetings □ Press releases ☑ Other <code>Display flag</code>			

ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT SECTION C What do you need to do? Why do we need this information? Facilities need to have implemented an EMS that meets certain criteria and use an ISO 14001 EMS Lead Auditor at least every Answer the following questions about your EMS. thirty-six (36) months to assess the EMS. What is the most recent date that an ISO 14001 EMS Lead Auditor performed an EMS assessment at your facility? October 2019 Name, title, and organization of ISO 14001 EMS Lead Auditor who conducted the most recent EMS assessment: _ John Leaning, Lead Auditor, DNV GL Is the date of the most recent EMS assessment performed by an ISO 14001 EMS Lead Auditor within the past thirty-six (36) months? ✓ Yes—If yes, skip to Question 4. No—If no, please have your ISO 14001 EMS Lead Auditor complete and sign the following checklist, indicating whether or not your EMS meets the listed criteria for ESP membership: ✓ Yes No Evidence of senior management support, commitment, and approval. A written environmental policy directed toward compliance, pollution prevention, and continuous improvement. ✓ Yes No Identification of the environmental aspects at the entity. Yes No Prioritization of the environmental aspects and a determination of those aspects deemed significant considering, at the minimum, ✓ Yes □ No environmental impacts and applicable laws and regulations. Established priorities, and environmental objectives and targets for continuous improvement in environmental performance and Yes No for ensuring compliance with applicable environmental laws, regulations, and permit conditions. Objectives and targets must go beyond current legal requirements and specify the environmental media, types of pollution to be prevented or reduced, implementation activities, and projected time frames. An established community outreach mechanism that includes identifying and responding to community concerns; informing the Yes No community of important matters that affect the community; and reporting on the EMS, including reporting to the public on the environmental policy and significant aspects. Incorporation of environmental and pollution prevention planning in the development of new products, processes, and services Yes No and modifications of existing processes. Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and ensuring ✓ Yes No compliance with applicable environmental laws, regulations, and permit conditions. Documentation of the implementation procedures and the results of implementation. Yes No ✓ Yes ☐ No Appropriate written EMS procedures. An annual evaluation of the EMS with written results provided to senior management and affected employees. ✓ Yes No Date (month, day, year) Signature of ISO 14001 EMS Lead Auditor Were any deficiencies found during the most recent EMS assessment? Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency: ____ **V** No What type of protocol was used to perform the independent EMS assessment? ☑ ISO 14001:2015 Certified audit ESP Independent Assessment Protocol Other (please specify): ____ Is the EMS certified to a recognized standard? Yes—If yes, what standard does the EMS follow (please provide a copy of the most recent certificate)? **✓** ISO 14001:2015 Responsible Care EMS Responsible Care 14001

☐ No

SE	CTION C	ENVIRONMENTAL	MANAGEMENT SYSTEM ASS	ESSMENT	
			CONTINUED	LOSMENT	
7.	When was the last Senior Mana Month / Year: October	Management review of your EMS completed? ober 2019 iew (name and title)? Bill Harper, Manager, Environmental Affairs			
8,	When did your facility last cond organizations.	uct an internal or corporate environmental compliance audit? Do not include inspections or site visits by regulatory			
		audit: Corporate Environmental Com	pliance Audit Follow Up		
	Month(s) / Year(s): Augu	ust 2019 s) (e.g., facility staff, corporate, third party)? Corporate			
9.				do omergency and contingency plans detailed in the	
Nor	9. Explain the emergencies experienced within the facility during the past year. Were the applicable emergency and contingency plans detailed in the EMS effective? What changes, if any, have been made to your facility's emergency or contingency plans? No reported environmental emergencies at TMMI last year. Spill drills were conducted to test various response to emergency situations. Contingency plans were deemed effective, no changes were made to the plans at this time.				
10	Has your facility corrected all in assessments?	stances of potential environment	al non-compliance and EMS no	n-conformance identified during your audits and other	
	improvements made as a result compliance audit(s).	. ,	other No—If no, pleas plans to correct the		
	"PDCA" is used to verify closur Environmental Action Request	•			
	TION D do we need this information?		IONAL INFORMATION	W	
This	information will help IDEM to eff ronmental Stewardship Program	ectively manage the		What do you need to do? Answer the questions as completely as possible.	
1.	In addition to ESP, please list er	nvironmental awards received or	voluntary programs participated	d in during the past twelve (12) months,	
ן וטבו	M P2, Adopt-a-Highway, National	i Public Lands Day, Wildlife Habi	tat Council		
2	Has your facility taken advantage	e of any ESP incentives? If so	nlease describe the implementa	ntion process and list additional benefits IDEM should	
	consider.			s here during and inspection, not wasting the inspector's	
time		a groat moonave. It anowe us to	chadre that the proper person is	s here during and inspection, not wasting the inspector's	
3 N/A	has ESP been instrumental in achieving registration?				
	TION E		IMPROVEMENT INITIATIVE R	ESULTS	
Why Faci	dowe need this information? lities need to share the results of	the environmental improvement	Reference Sec	What do you need to do? tion F for "Category" and "Indicator" options to	
initia	tive that was pursued during the rt cumulative program reduction	reporting period. IDEM needs to	complete this s	section. Summarize your facility's progress on achieving u identified in the application or last year's APR. For	
				ase call (800) 988-7901 or email esp@idem.IN.gov.	
	ative #1				
	gory 1: Air Emission_ eator 1:	Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings	
_	ndar year	2017	2019		
Actu	al quantity (per year)	1298	911		
_	Earned Labor Hours Production units Production lbs.				
Proc	Other specify (e.g. Gallons, length, etc.)tons VOCs				
Prod	uction Quantity	414000	363000	NA	
	nalization factor (Current year pro			222 4 4	
	Normalized quantity (Actual current year quantity - Actual baseline quantity) x Normalization factor -339.4 tons Briefly describe how you achieved improvements for environmental initiative #1 or, if relevant, any circumstances that delayed progress.				
By sv	vitching paint technology from so	lvent to water based, improveme	nitiative #1 or, if relevant, any cir ents in booth design, as well as	cumstances that delayed progress. diligently working with vendors, TMMI has been able to	
reauc	ce our paint VOCs by approximat	tely 30% from 2017 levels.			

SECTION E	ECTION E ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS CONTINUED			
Initiative #2				
Category 2:	Baseline	Current	0.10.	
Indicator 2:	(indicate measurement unit)	(indicate measurement unit)	Cost Savings	
Calendar year				
Actual quantity (per year)				
	Earned Labor Hours	Production units Prod	uction lbs.	
Production unit (select one)	Other specify (e.g. Gallons, length, etc.)			
Production Quantity			NA	
Normalization factor (Current year	r production ÷ Baseline year prod	fuction)		
Normalized quantity (Actual curre	nt year quantity - Actual baseline	quantity) x Normalization factor	r	
Briefly describe how you achieved	Briefly describe how you achieved improvements for environmental initiative #2 or, if relevant, any circumstances that delayed progress.			
Initiative #3		ř		
Category 3:	Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings	
Calendar year				
Actual quantity (per year)				
Production unit (select one)	Production unit (select one) Earned Labor Hours Production units Production lbs. Other specify (e.g. Gallons, length, etc.)			
Production Quantity			NA	
Normalization factor (Current year	r production ÷ Baseline year prod	duction)		
Normalized quantity (Actual curre	nt year quantity - Actual baseline	quantity) x Normalization facto	IT	
Briefly describe how you achieved improvements for environmental initiative #3 or, if relevant, any circumstances that delayed progress.				
Briefly describe the <i>impacts or wastes</i> eliminated resulting from the environmental initiative(s). If multiple initiatives, please indicate which specifically. The change from solvent based paints to water based paint technology has resulted in a significant decrease in VOCs emissions.				
2. Are there other best management practices (BMPs) you can share correlating to your initiative(s)? Even though TMMI has switched to a majority of water based paints, we still utilized a closed loop recycling program for the remaining paint solvent that is used.				
3. If the objectives and targets associated with the environmental improvement initiative(s) were not attained, please verify continued progress toward the environmental initiative(s). If multiple initiatives, please indicate which specifically.				
4. Please provide a narrative summary of progress made toward <i>qualitative, significant</i> EMS objectives and targets, if any. Challenge #5 of the Toyota Environmental Challenge 2050 is to reduce the amount of material used during the manufacturing of vehicles. Through the switching to the new water based paint technology, TMMI has been able to reduce the amount of solvents used and waste solvent created.				
5. Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL). EPA Energy Star (Corporate wide), Wildlife Habitat Council, IDEM P2				
6. Is your entity willing to share the environmental improvement initiative(s) and its best management practices (BMPs) at the ESP Annual Meeting and/or a Partners for Pollution Prevention quarterly meeting or conference? Yes No				

SECTION F

ENVIRONMENTAL IMPROVEMENT INITIATIVE

Why do we need this information?
Facilities need to show they are committed to improving their environmental performance.

What do you need to do?
Refer to the Environmental Performance

Select the appropriate boxes in the following table to indicate the category and indicator(s) that represents the next environmental improvement initiative selected by your facility. For the category and indicator selected, list the baseline year (e.g., 2015) and the future year (e.g., 2016). Next, list the baseline annual quantity (e.g., 5 tons) and future annual quantity (e.g., 2 tons) you are committing to achieve by the end of the future year.

Category	Indicator	Baseline Year 20 17	Future Year 20 20	Unit
☐ Material Procurement	☐ Recycled content			Pounds, tons
iviateriai Procurement	☐ Hazardous/toxic components			Pounds, tons
☐ Suppliers' Environmental Performance	☐ Specify indicator:			As specified for the particular indicator
	☐ Materials used			Pounds, tons
	✓ Hazardous materials used	2,205,000 gal	1,500,000 gal	Pounds, tons
✓ Material Use ☐ Water Use	☐ Ozone depleting substances used			CFC-11 equivalent pounds
	☐ Total packaging materials used			Pounds, tons
☐ Water Use	☐ Total water used			Gallons
	☐ Electricity			kWh / MWh, Btu / MMBtu
	☐ Steam			kWh / MWh, gallons, ft3
	☐ Natural gas			Btu / MMBtu
	☐ Diesel			Gallons
	☐ Propane / LPG			Btu / MMBtu, gallons
☑ Energy Use	☐ Gasoline			Gallons
	☐ Solar			kWh / MWh
	☐ Wind			kWh / MWh
	☐ Landfill gas			Btu / MMBtu
	☐ Combined heat and power			kWh / MWh, Btu / MMBtu
	✓ Other: Compressed Air	114,000	95,000	<u>MMBT</u> U
☐ Land and Habitat	☐ Land and habitat conservation			Square feet, acres
	☐ Community land revitalization			Square feet, acres
	☐ Total GHGs			MTCO2E
	☑ VOCs	1298 tons	900 tons	Pounds, tons
☑ Air Emissions	□ NOx, SOx, PM _{2,5} , PM ₁₀ , or CO			Pounds, tons
	☐ Air toxics			Pounds, tons
	Odor			European Odour Units
	Radiation			Curies, Becquerels
	☐ Dust			Pounds, tons
	☐ COD or BOD			Pounds, tons
	☐ Toxics			Pounds, tons
☐ Discharges to Water	☐ Total suspended solids			Pounds, tons
	☐ Nutrients			Pounds, tons of N or P
	☐ Sediment from runoff			Pounds, tons
	☐ Pathogens			MPN/ml, CFU/ml
	☐ Landfill			Pounds, tons
✓ Non-hazardous Waste	☐ Incineration			Pounds, tons
☐ Hazardous Waste	▼ Reused/recycled off-site			Pounds, tons, gallons
	☐ Other:			Pounds, tons, gallons
□ Noise	☐ Noise			dBA
☐ Vibration	☐ Vibration			Inches per second
	Expected lifetime energy use			kWh / MWh, Btu / MMBtu
	Expected lifetime water use			Gallons
Products	Expected lifetime waste to air, water, or land from product use			Pounds, tons
	☐ Waste to air, water, or land from disposal or recovery			Pounds, tons

If you need assistance filling out the form, please contact the ESP program manager at either esp@idem.in.gov or 1-(800) 988-7901.

SECTION F FUTURE YEAR ENVIRONMENTAL IMPROV	EMENT INITIATIVE		
CONTINUED			
2. If the environmental improvement initiative(s) will be qualitative in nature, please describe			
What activities or process changes do you plan to undertake at your facility to accomplish you process line, employee training)?			
4. Does this initiative address a significant aspect in your EMS? ✓ Yes No—If no, please explain why you believe this indicator should be included as an error.	nvironmental improvement init	tiative:	
CERTIFICATION AND PLEDGE			
On behalf of (name of facility) Toyota Motor Manufacturing, Indiana			
I certify that the information contained in this Annual Performance Report and attachments is act to the best of my knowledge and based on reasonable inquiry, currently in compliance with all aprequirements, or has a corrective action program in place to attain compliance.	curate to the best of my know oplicable federal, state, and lo	ledge and that this facility is, ocal environmental	
We,, commit to maintaining the principles a System for our facility's Indiana Environmental Stewardship Program status. We agree to strive	for full compliance with all reg	gulations promulgated by the	
U.S. EPA, state, or local jurisdictions. We agree to promote the Indiana Environmental Steward facilities. We understand that we must meet the requirement of implementing one (1) new, indemembership (for a total of four (4) initiatives), that the Annual Performance Report must be submapply to the Indiana Environmental Stewardship Program every four (4) years.	ship Program and to share ou pendent environmental impro	ur success stories with other vement initiative each year o	
I understand that the information provided in this Annual Performance Report will be public reco signatory, and fully authorized to execute this statement on behalf of the corporation or other leg Performance Report.	rd. I am the senior facility ma yal entity whose facility is subi	nager or authorized facility mitting this Annual	
Signature		Date (month, day, year) 5-4-19	
Printed signature Paul Delor	Title Environmental	Specialist	
1 441 5414			